

	Type	Hits	Search Text	DBs
1	BRS	1435	(waveguid\$3 (wave adj1 guid\$3)) same (material\$1 compos\$5) same absor\$6 same (light laser\$1 wavelength\$2)	USPAT
2	BRS	330212	(heat\$5 thermal\$4 tempratur\$3) same (propert\$4 relax\$4 stress\$2 diffus\$5 damag\$3 anneal\$4)	USPAT
3	BRS	425960	(heat\$5 thermal\$4 tempratur\$3) same (propert\$4 relax\$4 stress\$2 diffus\$5 damag\$3 anneal\$4 expansion distribut\$4)	USPAT
4	BRS	3867	(waveguid\$3 (wave adj1 guid\$3)) same grating\$1	USPAT
5	BRS	14625	MZI interferomet\$4	USPAT
6	BRS	1281	(waveguid\$3 (wave adj1 guid\$3)) same (material\$1) same absor\$6 same (light laser\$1 wavelength\$2)	USPAT
7	BRS	45	((heat\$5 thermal\$4 tempratur\$3) same (propert\$4 relax\$4 stress\$2 diffus\$5 damag\$3 anneal\$4)) and ((waveguid\$3 (wave adj1 guid\$3)) same grating\$1) and (MZI interferomet\$4) and ((waveguid\$3 (wave adj1 guid\$3)) same (material\$1) same absor\$6 same (light laser\$1 wavelength\$2))	USPAT
8	BRS	5	((("6466346" "6456760" "6334018" "6249365" "6178045" "6151429" "6122419" "6115514" "6111681" "6067391" "6061481" "5754714" "5625723" "5506925" "5222162" "5176983" "4515429").pn.) and (material\$1 same (waveguid\$3 (wave adj1 guid\$3))) and ((waveguid\$3 (wave adj1 guid\$3)) same grating) and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) near7 (relax\$6 diffus\$5 spread\$5 expan\$6 damag\$5))) and (substrat\$3)	USPAT

	Time Stamp	Co mm en ts	Er ro r De fi ni ti on	Er ro rs
1	2002/12/02 17:00			0
2	2002/12/02 16:54			0
3	2002/12/02 16:58			0
4	2002/12/02 16:59			0
5	2002/12/02 16:59			0
6	2002/12/02 18:52			0
7	2004/02/02 10:53			0
8	2004/01/30 19:07			0

	Type	Hits	Search Text	DBs
9	BRS	5	<pre> (("6466346" "6456760" "6334018" "6249365" "6178045" "6151429" "6122419" "6115514" "6111681" "6067391" "6061481" "5754714" "5625723" "5506925" "5222162" "5176983" "4515429").pn.) and (material\$1 same (waveguid\$3 (wave adj1 guid\$3))) and ((waveguid\$3 (wave adj1 guid\$3)) same grating) and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) near7 (relax\$6 diffus\$5 spread\$5 expan\$6 damag\$5 propert\$4))) and (substrat\$3) </pre>	USPAT
10	BRS	4	<pre> ((((("6466346" "6456760" "6334018" "6249365" "6178045" "6151429" "6122419" "6115514" "6111681" "6067391" "6061481" "5754714" "5625723" "5506925" "5222162" "5176983" "4515429").pn.) and (material\$1 same (waveguid\$3 (wave adj1 guid\$3))) and ((waveguid\$3 (wave adj1 guid\$3)) same grating) and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) near7 (relax\$6 diffus\$5 spread\$5 expan\$6 damag\$5 propert\$4))) and (substrat\$3)) and (uv ultraviolet (ultra adj1 violet) infrared infra-red IR) </pre>	USPAT

	Time Stamp	Co mm en ts	Er ro r De fi ni ti on	Er ro rs
9	2002/12/02 18:16			0
10	2002/12/03 11:38			0

	Type	Hits	Search Text	DBs
11	BRS	4	((((("6466346" "6456760" "6334018" "6249365" "6178045" "6151429" "6122419" "6115514" "6111681" "6067391" "6061481" "5754714" "5625723" "5506925" "5222162" "5176983" "4515429").pn.) and (material\$1 same (waveguid\$3 (wave adj1 guid\$3))) and ((waveguid\$3 (wave adj1 guid\$3)) same grating) and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) near7 (relax\$6 diffus\$5 spread\$5 expan\$6 damag\$5 propert\$4))) and (substrat\$3)) and (uv ultraviolet (ultra adj1 violet) infrared infra-red IR)) and (material same absor\$6 same (light wavelength\$2))	USPAT
12	BRS	4	("6334018" "6115514" "6067391" "5506925").pn.	USPAT
13	BRS	4	(("6334018" "6115514" "6067391" "5506925").pn.) and (material same absor\$6 same (light wavelength\$2))	USPAT
14	BRS	17	("6466346" "6456760" "6334018" "6249365" "6178045" "6151429" "6122419" "6115514" "6111681" "6067391" "6061481" "5754714" "5625723" "5506925" "5222162" "5176983" "4515429").pn.	USPAT

	Time Stamp	Co mm en ts	Er ro r De fi ni ti on	Er ro rs
11	2002/12/02 18:52			0
12	2002/12/02 18:52			0
13	2002/12/02 18:52			0
14	2002/12/03 11:12			0

	Type	Hits	Search Text	DBs
15	BRS	8	("6466346" "6456760" "6334018" "6249365" "6178045" "6151429" "6122419" "6115514" "6111681" "6067391" "6061481" "5754714" "5625723" "5506925" "5222162" "5176983" "4515429").pn.) and (material\$1 same (waveguid\$3 (wave adj1 guid\$3))) and ((waveguid\$3 (wave adj1 guid\$3)) same grating) and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) near7 (relax\$6 diffus\$5 spread\$5 expan\$6 damag\$5 propert\$4))	USPAT
16	BRS	1	5754714.pn.	USPAT

	Time Stamp	Comments	Error Definition	Errors
15	2002/12/03 11:14			0
16	2002/12/03 11:38		These search/retrieval could not be automated because it is not current	1

	Type	Hits	Search Text	DBs
17	BRS	0	5754714.pn. and (material\$1 same (waveguid\$3 (wave adj1 guid\$3))) and ((waveguid\$3 (wave adj1 guid\$3)) same grating) and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) near7 (relax\$6 diffus\$5 spread\$5 expan\$6 damag\$5 propt\$4)) and (substrat\$3) and (uv ultraviolet (ultra adj1 violet) infrared infra-red IR)	USPAT
18	BRS	1	5754714.pn. and (material\$1 same (waveguid\$3 (wave adj1 guid\$3)))	USPAT
19	BRS	1	5754714.pn. and ((waveguid\$3 (wave adj1 guid\$3)) same grating)	USPAT
20	BRS	1	5754714.pn. and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) near7 (relax\$6 diffus\$5 spread\$5 expan\$6 damag\$5 propt\$4))	USPAT
21	BRS	1	5754714.pn. and (substrat\$3)	USPAT
22	BRS	0	5754714.pn. and (uv ultraviolet (ultra adj1 violet) infrared infra-red IR)	USPAT
23	BRS	0	5754714.pn. and (material\$1 same (thermal\$4 heat\$3 anneal\$4 temperatur\$3))	USPAT
24	BRS	1	5754714.pn. and (material compound\$2 compos\$6 ssubstance\$1) and (thermal\$4 heat\$3 anneal\$4 temperatur\$3)	USPAT
25	BRS	1	5754714.pn. and (material compound\$2 compos\$6 ssubstance\$1) and (thermal\$4 heat\$3 anneal\$4 temperatur\$3 light)	USPAT
26	BRS	1	5754714.pn. and (material compound\$2 compos\$6 ssubstance\$1) and (thermal\$4 heat\$3 anneal\$4 temperatur\$3 light absor\$6)	USPAT
27	BRS	1	5754714.pn. and (material compound\$2 compos\$6 ssubstance\$1) and (thermal\$4 heat\$3 anneal\$4 temperatur\$3 light absor\$6 region\$1 area layer\$1)	USPAT
28	BRS	1	5754714.pn. and (material compound\$2 compos\$6 ssubstance\$1) and (thermal\$4 heat\$3 anneal\$4 temperatur\$3 light absor\$6 region\$1 area layer\$1 radiat\$4)	USPAT
29	BRS	1	5754714.pn. and (material compound\$2 compos\$6 ssubstance\$1) and (thermal\$4 heat\$3 anneal\$4 temperatur\$3 light absor\$6 region\$1 area layer\$1 radiat\$4 grating)	USPAT
30	BRS	1	5754714.pn. and (material compound\$2 compos\$6 ssubstance\$1) same (thermal\$4 heat\$3 anneal\$4 temperatur\$3 light absor\$6 region\$1 area layer\$1 radiat\$4 grating)	USPAT
31	BRS	1	5754714.pn. and (material\$1 compound\$2 compos\$6 ssubstance\$1) same (thermal\$4 heat\$3 anneal\$4 temperatur\$3 light absor\$6 region\$1 area layer\$1 radiat\$4 grating)	USPAT
32	BRS	0	5754714.pn. and (laser same radit\$4)	USPAT
33	BRS	1	5754714.pn. and (laser)	USPAT
34	BRS	0	5754714.pn. and (material\$1 compound\$2 compos\$6 substance\$1) same (thermal\$4 heat\$3 anneal\$4 temperatur\$3)	USPAT
35	BRS	1	5506925.pn. and (material\$1 compound\$2 compos\$6 substance\$1) same (thermal\$4 heat\$3 anneal\$4 temperatur\$3) same (chang\$4 alter\$5 induc\$5 propt\$5 chemical\$5 reaction)	USPAT

	Time Stamp	Co mm en ts	Er ro r De fi ni ti on	Er ro rs
17	2002/12/03 14:00			0
18	2002/12/03 11:47			0
19	2002/12/03 11:43			0
20	2002/12/03 11:44			0
21	2002/12/03 11:45			0
22	2002/12/03 11:45			0
23	2002/12/03 11:49			0
24	2002/12/03 11:50			0
25	2002/12/03 11:51			0
26	2002/12/03 11:53			0
27	2002/12/03 11:56			0
28	2002/12/03 11:58			0
29	2002/12/03 12:04			0
30	2002/12/03 12:09			0
31	2002/12/03 12:36			0
32	2002/12/03 12:29			0
33	2002/12/03 12:29			0
34	2002/12/03 13:17			0
35	2002/12/03 13:22			0

	Type	Hits	Search Text	DBs
36	BRS	1	5506925.pn. and (material\$1 compound\$2 compos\$6 substance\$1) and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) same (chang\$4 alter\$5 induc\$5 proptert\$5 chemical\$5 reaction))	USPAT
37	BRS	1	5506925.pn. and (material\$1 compound\$2 compos\$6 substance\$1) and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) same (chang\$4 alter\$5 induc\$5 proptert\$5 chemical\$5 reaction)) and wavelength\$1	USPAT
38	BRS	1	5506925.pn. and (material\$1 compound\$2 compos\$6 substance\$1) and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3 radiat\$5 uv ir) same wavelength\$1) and (chang\$4 alter\$5 induc\$5 proptert\$5 chemical\$5 reaction) and wavelength\$1	USPAT
39	BRS	1	5506925.pn. and (thermal\$4 heat\$3 anneal\$4 temperatur\$3)	USPAT
40	BRS	1	5506925.pn. and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3 anneal\$4) same (expan\$6 spread\$5 trans\$6 region\$3 area\$1))	USPAT
41	BRS	1	5506925.pn. and ((thermal\$4 heat\$3 anneal\$4 temperatur\$3) same (expan\$5 spread\$4 trans\$5 region\$2 area\$1 segment\$1 layer\$1 portion\$1))	USPAT
42	BRS	1	5506925.pn. and ((thermal\$2 heat\$3 anneal\$4 temperatur\$3) same (expan\$5 spread\$4 trans\$5 region\$2 area\$1 segment\$1 layer\$1 portion\$1)) and polariz\$5 and waveguid\$2	USPAT
43	BRS	1	5506925.pn. and ((thermal\$2 heat\$3 anneal\$4 temperatur\$3) same (expan\$5 spread\$4 trans\$5 region\$2 area\$1 segment\$1 layer\$1 portion\$1)) and (polariz\$5 index) and waveguid\$2	USPAT
44	BRS	1	5506925.pn. and ((thermal\$2 heat\$3 anneal\$4 temperatur\$3) same (expan\$5 spread\$4 trans\$5 region\$2 area\$1 segment\$1 layer\$1 portion\$1)) and (polariz\$5 index) and waveguid\$2 and (material\$1 compound\$2 compos\$6 substance\$1)	USPAT
45	BRS	1	5506925.pn.	USPAT
46	BRS	1	5506925.pn. and (material\$1 compound\$1)	USPAT
47	BRS	1	5506925.pn. and (heat\$4 substrat\$2 absor\$6 energ\$4 wavelength\$1 chang\$4 alter\$6 proptert\$4)	USPAT
48	BRS	1	5506925.pn. and (heat\$4 substrat\$2 absor\$6 energ\$4 wavelength\$1 chang\$4 alter\$6 proptert\$4 material\$1 compound\$1 te tm transvers\$2)	USPAT
49	BRS	0	'09/831417'	USPAT; US-PGPU B

	Time Stamp	Comments	Error Definition	Errors
36	2002/12/03 13:31			0
37	2002/12/03 13:42			0
38	2002/12/03 13:53			0
39	2002/12/03 14:00			0
40	2002/12/03 14:06			0
41	2002/12/03 14:10		Truncation overflow.	1
42	2002/12/03 14:13			0
43	2002/12/03 14:15			0
44	2002/12/03 14:18			0
45	2004/01/30 19:08			0
46	2003/10/02 15:51			0
47	2003/10/02 15:58			0
48	2003/10/02 16:03			0
49	2004/01/30 19:07			0

	Type	Hits	Search Text	DBs
50	BRS	0	'09/831,417'	USPAT; US-PGPU B
51	BRS	0	'09,831,417'	USPAT; US-PGPU B
52	BRS	0	'09831417'	USPAT; US-PGPU B
53	BRS	1	5506925.pn.	USPAT
54	BRS	53	((heat\$5 thermal\$4 tempratur\$3) same (propert\$4 relax\$4 stress\$2 diffus\$5 damag\$3 annea\$4)) and ((waveguid\$3 (wave adj1 guid\$3)) same grating\$1) and (MZI interferomet\$4) and ((waveguid\$3 (wave adj1 guid\$3)) same (material\$1) same absor\$6 same (light laser\$1 wavelength\$2))	USPAT
55	BRS	44	((heat\$5 thermal\$4 tempratur\$3) same (propert\$4 relax\$4 stress\$2 diffus\$5 damag\$3 annea\$4)) and ((waveguid\$3 (wave adj1 guid\$3)) same grating\$1) and (MZI interferomet\$4) and ((waveguid\$3 (wave adj1 guid\$3)) same (material\$1) same absor\$6 same (light laser\$1 wavelength\$2))) and (substrat\$4)	USPAT; US-PGPU B

	Time Stamp	Co mm en ts	Er ro r De fi ni ti on	Er ro rs
50	2004/01/30 19:07			0
51	2004/01/30 19:08			0
52	2004/01/30 19:08			0
53	2004/01/30 19:14			0
54	2004/02/02 10:54			0
55	2004/02/02 10:55			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	79	((heat\$5 thermal\$4 tempratur\$3) same (propert\$4 relax\$4 stress\$2 diffus\$5 damag\$3 annea\$4)) and ((waveguid\$3 (wave adj1 guid\$3)) same grating\$1) and (MZI interferomet\$4) and ((waveguid\$3 (wave adj1 guid\$3)) same (material\$1) same absor\$6 same (light laser\$1 wavelength\$2))) and (substrat\$4)	USPAT; US-PGPU B; EPO; JPO; DERWENT	2004/02/26 11:13			0